

9-847298.am1

Amend the claims as follows:

Cancel claims 1 and 4 and insert the following claim:

-- 12. An oxychlorination catalyst in powder form for use as a fluidized-bed catalyst which comprises at least one active component with a catalyst support comprising δ -Al₂O₃ in an amount detectable by X-ray diffractometry. --

Claim 2, line 1,

- delete "A catalyst for...[through]...claim1," and insert therefor -- A catalyst as in claim 12,"

Claim 3,

- line 1, delete "A catalyst for...[through]...claim1," and insert therefor -- A catalyst as in claim 12,"

- line 3, after "alkali metals," insert -- and --.

Claim 5,

- lines 1 and 2, delete "A process...[through]...claim 1," and insert "A process for the preparation of the catalyst of claim 12,"

- line 2, delete the "the" and insert -- a pulverulent --

- line 3, delete "if desired" and insert -- optionally --

- line bridging pages 1 and 2, delete "if desired" and insert -- optionally --.

Claim 6, lines 1 and 2 delete "A process...[through]...claim 5," and insert -- The process of claim 5 --.

REMARKS

IN THE CLAIMS

Claim 1 (canceled)

2. (currently amended) ~~A catalyst for heterogeneously catalyzed reactions as claimed in claim 1,~~ A catalyst as in claim 12, wherein the catalyst support comprises from 10 to 100% by weight of δ - Al_2O_3 .

3. (currently amended) ~~A catalyst for heterogeneously catalyzed reactions as claimed in claim 1,~~ A catalyst as in claim 12, wherein the active components employed are from 1 to 15% by weight of copper, from 0.1 to 6% by weight of alkali metals, and from 0 to 5% by weight of alkaline earth metals, rare-earth metals or mixtures thereof.

Claim 4 (canceled)

5. (currently amended) A process for the preparation of the catalyst of claim 12 ~~A process for the preparation of a catalyst for heterogeneously catalyzed reactions as claimed in claim 1,~~ which comprises impregnating the pulverulent δ - Al_2O_3 -containing support with salts of copper, alkali metals and, if desired optionally, alkaline earth metals, rare-earth metals or mixtures thereof, separately from one another or together, if desired optionally with the addition of acids or oxidants.

6. (currently amended) ~~A process for the preparation of a catalyst for heterogeneously catalyzed reactions as claimed in~~ The process of claim 5, wherein the salts employed are chlorides.

7. (withdrawn) The use of a catalyst for heterogeneously catalyzed reactions as claimed in claim 1 for exothermic gas-phase reactions.

8. (withdrawn) The use of a catalyst for heterogeneously catalyzed reactions as claimed in claim 1 for oxychlorination reactions.
9. (withdrawn) The use of a catalyst for heterogeneously catalyzed reactions as claimed in claim 1 for the oxychlorination of ethylene to 1,2-dichloroethane.
10. (withdrawn) A process for the preparation of 1,2-dichloroethane, which comprises reacting ethylene with hydrogen chloride and air or oxygen in the presence of a catalyst as claimed in claim 1 at a temperature of from 150 to 400°C and a pressure of from 1 to 10 bar.
11. (withdrawn) The use of a catalyst for heterogeneously catalyzed reactions as claimed in claim 1 for partial oxidation reactions.
12. (new) An oxychlorination catalyst in powder form for use as a fluidized-bed catalyst which comprises at least one active component with a catalyst support comprising $\delta\text{-Al}_2\text{O}_3$ in an amount detectable by X-ray diffractometry. --